



1600

## RAW SEQUENCE LISTING

DATE: 01/20/2004

PATENT APPLICATION: US/09/995,388

TIME: 10:52:01

Input Set : A:\BMS2201.ST25.txt

Output Set: N:\CRF4\01202004\I995388.raw

3 <110> APPLICANT: Carpenter, Jr., Alan P.  
5 <120> TITLE OF INVENTION: SIMULTANEOUS IMAGING OF CARDIAC PERFUSION AND A VITRONECTIN  
6 RECEPTOR TARGETED IMAGING AGENT  
8 <130> FILE REFERENCE: BMS-2201  
10 <140> CURRENT APPLICATION NUMBER: US 09/995,388  
11 <141> CURRENT FILING DATE: 2001-11-27  
13 <150> PRIOR APPLICATION NUMBER: US 60/253,324  
14 <151> PRIOR FILING DATE: 2000-11-27  
16 <160> NUMBER OF SEQ ID NOS: 49  
18 <170> SOFTWARE: PatentIn version 3.2  
20 <210> SEQ ID NO: 1  
21 <211> LENGTH: 5  
22 <212> TYPE: PRT  
23 <213> ORGANISM: Artificial Sequence  
25 <220> FEATURE:  
26 <223> OTHER INFORMATION: Synthetic Construct  
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31 1 5  
34 <210> SEQ ID NO: 2  
35 <211> LENGTH: 5  
36 <212> TYPE: PRT  
37 <213> ORGANISM: Artificial Sequence  
39 <220> FEATURE:  
40 <223> OTHER INFORMATION: Synthetic Construct  
42 <400> SEQUENCE: 2  
44 Arg Val Tyr Asp Gly  
45 1 5  
48 <210> SEQ ID NO: 3  
49 <211> LENGTH: 5  
50 <212> TYPE: PRT  
51 <213> ORGANISM: Artificial Sequence  
53 <220> FEATURE:  
54 <223> OTHER INFORMATION: Synthetic Construct  
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59 1 5  
62 <210> SEQ ID NO: 4  
63 <211> LENGTH: 5  
64 <212> TYPE: PRT  
65 <213> ORGANISM: Artificial Sequence  
67 <220> FEATURE:  
68 <223> OTHER INFORMATION: Synthetic Construct

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## RAW SEQUENCE LISTING

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72 Arg Gly Asp Tyr Lys
73 1      5
76 <210> SEQ ID NO: 5
77 <211> LENGTH: 12
78 <212> TYPE: PRT
79 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: Synthetic Construct
84 <400> SEQUENCE: 5
86 Phe Glu Lys Arg Gly Asp Phe Lys Arg Gly Asp Phe
87 1      5      10
90 <210> SEQ ID NO: 6
91 <211> LENGTH: 5
92 <212> TYPE: PRT
93 <213> ORGANISM: Artificial Sequence
95 <220> FEATURE:
96 <223> OTHER INFORMATION: Synthetic Construct
99 <220> FEATURE:
100 <221> NAME/KEY: MISC_FEATURE
101 <222> LOCATION: (4)..(4)
102 <223> OTHER INFORMATION: Xaa = Nal
104 <400> SEQUENCE: 6
W--> 106 Arg Gly Asp Xaa Lys
107 1      5
110 <210> SEQ ID NO: 7
111 <211> LENGTH: 11
112 <212> TYPE: PRT
113 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: Synthetic Construct
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120 <221> NAME/KEY: MISC_FEATURE
121 <222> LOCATION: (6)..(6)
122 <223> OTHER INFORMATION: Xaa = Nal
124 <220> FEATURE:
125 <221> NAME/KEY: MISC_FEATURE
126 <222> LOCATION: (11)..(11)
127 <223> OTHER INFORMATION: Xaa = Nal
129 <400> SEQUENCE: 7
W--> 131 Glu Lys Arg Gly Asp Xaa Lys Arg Gly Asp Xaa
132 1      5      10
135 <210> SEQ ID NO: 8
136 <211> LENGTH: 11
137 <212> TYPE: PRT
138 <213> ORGANISM: Artificial Sequence
140 <220> FEATURE:
141 <223> OTHER INFORMATION: Synthetic Construct
143 <400> SEQUENCE: 8

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## RAW SEQUENCE LISTING

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Input Set : A:\BMS2201.ST25.txt

Output Set: N:\CRF4\01202004\I995388.raw

145 Glu Lys Arg Gly Asp Phe Lys Arg Gly Asp Phe  
146 1 5 10  
149 <210> SEQ ID NO: 9  
150 <211> LENGTH: 11  
151 <212> TYPE: PRT  
152 <213> ORGANISM: Artificial Sequence  
154 <220> FEATURE:  
155 <223> OTHER INFORMATION: Synthetic Construct  
157 <400> SEQUENCE: 9  
159 Glu Tyr Val Arg Gly Asp Tyr Val Arg Gly Asp  
160 1 5 10  
163 <210> SEQ ID NO: 10  
164 <211> LENGTH: 5  
165 <212> TYPE: PRT  
166 <213> ORGANISM: Artificial Sequence  
168 <220> FEATURE:  
169 <223> OTHER INFORMATION: Synthetic Construct  
171 <400> SEQUENCE: 10  
173 Arg Gly Asp Lys Val  
174 1 5  
177 <210> SEQ ID NO: 11  
178 <211> LENGTH: 5  
179 <212> TYPE: PRT  
180 <213> ORGANISM: Artificial Sequence  
182 <220> FEATURE:  
183 <223> OTHER INFORMATION: Synthetic Construct  
185 <400> SEQUENCE: 11  
187 Lys Phe Asp Gly Arg  
188 1 5  
191 <210> SEQ ID NO: 12  
192 <211> LENGTH: 11  
193 <212> TYPE: PRT  
194 <213> ORGANISM: Artificial Sequence  
196 <220> FEATURE:  
197 <223> OTHER INFORMATION: Synthetic Construct  
199 <400> SEQUENCE: 12  
201 Glu Lys Phe Asp Gly Arg Lys Phe Asp Gly Arg  
202 1 5 10  
205 <210> SEQ ID NO: 13  
206 <211> LENGTH: 5  
207 <212> TYPE: PRT  
208 <213> ORGANISM: Artificial Sequence  
210 <220> FEATURE:  
211 <223> OTHER INFORMATION: Synthetic Construct  
213 <400> SEQUENCE: 13  
215 Phe Lys Asp Gly Arg  
216 1 5  
219 <210> SEQ ID NO: 14  
220 <211> LENGTH: 5

## RAW SEQUENCE LISTING

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Input Set : A:\BMS2201.ST25.txt

Output Set: N:\CRF4\01202004\I995388.raw

221 <212> TYPE: PRT  
 222 <213> ORGANISM: Artificial Sequence  
 224 <220> FEATURE:  
 225 <223> OTHER INFORMATION: Synthetic Construct  
 228 <220> FEATURE:  
 229 <221> NAME/KEY: MISC\_FEATURE  
 230 <222> LOCATION: (4)..(4)  
 231 <223> OTHER INFORMATION: Xaa = 2-aminothiazole-5-acetic acid or 2-aminothiazole-5-  
 acetyl  
 232 group  
 234 <400> SEQUENCE: 14  
**W--> 236 Arg Gly Asp Xaa Lys**  
 237 1 5  
 240 <210> SEQ ID NO: 15  
 241 <211> LENGTH: 5  
 242 <212> TYPE: PRT  
 243 <213> ORGANISM: Artificial Sequence  
 245 <220> FEATURE:  
 246 <223> OTHER INFORMATION: Synthetic Construct  
 249 <220> FEATURE:  
 250 <221> NAME/KEY: MISC\_FEATURE  
 251 <222> LOCATION: (1)..(1)  
 252 <223> OTHER INFORMATION: Xaa = Citrulline  
 254 <400> SEQUENCE: 15  
**W--> 256 Xaa Gly Asp Phe Lys**  
 257 1 5  
 260 <210> SEQ ID NO: 16  
 261 <211> LENGTH: 6  
 262 <212> TYPE: PRT  
 263 <213> ORGANISM: Artificial Sequence  
 265 <220> FEATURE:  
 266 <223> OTHER INFORMATION: Synthetic Construct  
 268 <400> SEQUENCE: 16  
 270 Glu Arg Gly Asp Phe Lys  
 271 1 5  
 274 <210> SEQ ID NO: 17  
 275 <211> LENGTH: 5  
 276 <212> TYPE: PRT  
 277 <213> ORGANISM: Artificial Sequence  
 279 <220> FEATURE:  
 280 <223> OTHER INFORMATION: Synthetic Construct  
 282 <400> SEQUENCE: 17  
 284 Lys Arg Gly Asp Phe  
 285 1 5  
 288 <210> SEQ ID NO: 18  
 289 <211> LENGTH: 5  
 290 <212> TYPE: PRT  
 291 <213> ORGANISM: Artificial Sequence  
 293 <220> FEATURE:  
 294 <223> OTHER INFORMATION: Synthetic Construct

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Input Set : A:\BMS2201.ST25.txt

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297 <220> FEATURE:  
 298 <221> NAME/KEY: MISC FEATURE  
 299 <222> LOCATION: (5)..(5)  
 300 <223> OTHER INFORMATION: Xaa = Nal  
 302 <400> SEQUENCE: 18  
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 305 1 5  
 308 <210> SEQ ID NO: 19  
 309 <211> LENGTH: 5  
 310 <212> TYPE: PRT  
 311 <213> ORGANISM: Artificial Sequence  
 313 <220> FEATURE:  
 314 <223> OTHER INFORMATION: Synthetic Construct  
 316 <400> SEQUENCE: 19  
 318 Tyr Val Arg Gly Asp  
 319 1 5  
 322 <210> SEQ ID NO: 20  
 323 <211> LENGTH: 11  
 324 <212> TYPE: PRT  
 325 <213> ORGANISM: Artificial Sequence  
 327 <220> FEATURE:  
 328 <223> OTHER INFORMATION: Synthetic Construct  
 330 <400> SEQUENCE: 20  
 332 Glu Lys Val Arg Gly Asp Lys Val Arg Gly Asp  
 333 1 5 10  
 336 <210> SEQ ID NO: 21  
 337 <211> LENGTH: 5  
 338 <212> TYPE: PRT  
 339 <213> ORGANISM: Artificial Sequence  
 341 <220> FEATURE:  
 342 <223> OTHER INFORMATION: Synthetic Construct  
 344 <400> SEQUENCE: 21  
 346 Lys Val Arg Gly Asp  
 347 1 5  
 350 <210> SEQ ID NO: 22  
 351 <211> LENGTH: 5  
 352 <212> TYPE: PRT  
 353 <213> ORGANISM: Artificial Sequence  
 355 <220> FEATURE:  
 356 <223> OTHER INFORMATION: Synthetic Construct  
 358 <400> SEQUENCE: 22  
 360 Arg Lys Phe Asp Gly  
 361 1 5  
 364 <210> SEQ ID NO: 23  
 365 <211> LENGTH: 5  
 366 <212> TYPE: PRT  
 367 <213> ORGANISM: Artificial Sequence  
 369 <220> FEATURE:  
 370 <223> OTHER INFORMATION: Synthetic Construct

**RAW SEQUENCE LISTING ERROR SUMMARY**  
PATENT APPLICATION: US/09/995,388

DATE: 01/20/2004  
TIME: 10:52:02

Input Set : A:\BMS2201.ST25.txt  
Output Set: N:\CRF4\01202004\I995388.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:6; Xaa Pos. 4  
Seq#:7; Xaa Pos. 6, 11  
Seq#:14; Xaa Pos. 4  
Seq#:15; Xaa Pos. 1  
Seq#:18; Xaa Pos. 5  
Seq#:24; Xaa Pos. 2  
Seq#:25; Xaa Pos. 4  
Seq#:32; Xaa Pos. 2  
Seq#:33; Xaa Pos. 1  
Seq#:34; Xaa Pos. 4  
Seq#:35; Xaa Pos. 1  
Seq#:36; Xaa Pos. 4  
Seq#:37; Xaa Pos. 1  
Seq#:39; Xaa Pos. 1  
Seq#:41; Xaa Pos. 1  
Seq#:42; Xaa Pos. 1  
Seq#:43; Xaa Pos. 4  
Seq#:49; Xaa Pos. 1

**VERIFICATION SUMMARY**

DATE: 01/20/2004

PATENT APPLICATION: US/09/995,388

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Input Set : A:\BMS2201.ST25.txt

Output Set: N:\CRF4\01202004\I995388.raw

L:106 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0  
L:131 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0  
L:236 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0  
L:256 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0  
L:304 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0  
L:395 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0  
L:415 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0  
L:523 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0  
L:543 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0  
L:563 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0  
L:583 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0  
L:603 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0  
L:623 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0  
L:657 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0  
L:691 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0  
L:711 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0  
L:731 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0  
L:821 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0